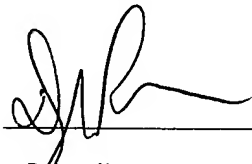


FORM PTO-1390 (REV 10-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 10873.1563US01
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown <b>10/517945</b>
INTERNATIONAL APPLICATION NO. PCT/JP2003/011533	INTERNATIONAL FILING DATE September 10, 2003	PRIORITY DATE CLAIMED September 11, 2002		
TITLE OF INVENTION SOLAR CELL AND METHOD FOR MANUFACTURING THE SAME				
APPLICANT(S) FOR DO/EO/US NEGAMI et al.				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> A signed oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11. to 16. below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input checked="" type="checkbox"/> Other items or information: PTO Form 1390, International Search Report, International Publication Page, Application Data Sheet, PCT/IB/304, 308</p>				

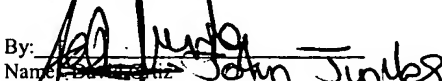
Rep. Ref: 06/14/2005 HCL OYBPA  
DAH: 132725  
FC: 9204  
10/517945  
\$100.00 CR

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown <b>10/517945</b>		INTERNATIONAL APPLICATION NO. PCT/JP2003/011533		ATTORNEY'S DOCKET NUMBER 10873.1563USWO	
<b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b>					
[ ] a) Basic National fee.....\$300.00				\$300.00	
[ ] b) Examination fee.....\$200.00				\$200.00	
[ ] c) Search fee.....\$500.00				\$500.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,000.00</b>	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate		
-100 =	/50 =		X \$250.00	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	19 -20 = 0		X \$50.00	\$0.00	
Independent claims	3 -3 = 0		X \$200.00	\$0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,000.00</b>	
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27				\$0.00	
<b>SUBTOTAL =</b>				<b>\$1,000.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+ \$0.00	
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,000.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+ \$40.00	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,040.00</b>	
				Amount to be: refunded	\$0.00
				charged	\$0.00
a. [X] Check(s) in the amount of <u>\$1,000 &amp; \$40</u> to cover the above fees is enclosed.					
b. [ ] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-2725</u> .					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: Douglas P. Mueller MERCHANT & GOULD P.O. Box 2903 Minneapolis, MN 55402-0903			SIGNATURE:  NAME: Douglas P. Mueller REGISTRATION NUMBER: 30,300		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DT05 Rec'd PCT/PTO 10/517945  
13 DEC 2004

Applicant: NEGAMI et al.  
Docket: 10873.1563USWO  
Title: SOLAR CELL AND METHOD FOR MANUFACTURING THE SAME

<p>CERTIFICATE UNDER 37 CFR 1.10 'Express Mail' mailing label number: EV 495867766 US Date of Deposit: December 13, 2004 I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p align="right">By:  Name: John J. Jones</p>
---

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

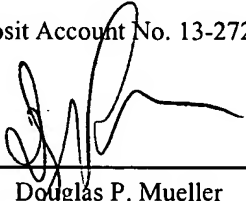
- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ National Stage PCT Patent Application: Spec. 26 pgs; 19 claims; Abstract 1 pg.  
The fee has been calculated as shown below in the 'Claims as Filed' table.
- ☒ 7 sheets of formal drawings
- ☒ A signed Combined Declaration and Power of Attorney
- ☒ Assignment of the invention to MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., Recordation Form Cover Sheet
- ☒ A check in the amount of \$1000.00 to cover the Filing Fee
- ☒ A check for \$40.00 to cover the Assignment Recording Fee.
- ☒ Information Disclosure Statement, Form 1449, 11 reference(s).
- ☒ Application Data Sheet, 4 pages.
- ☒ Other: PTO Form 1390, International Publication Page, International Search Report, PCT/IB/304, 308, Preliminary Amendment
- ☒ Return postcard

**CLAIMS AS FILED**

Number of Claims Filed		In Excess of:		Number Extra		Rate		Fee
<b>Basic Filing Fee</b>								\$1000.00
<b>Total Claims</b>								
19	-	20	=	00	x	050.00	=	\$0.00
<b>Independent Claims</b>								
03	-	3	=	0	x	0200.00	=	\$0.00
MULTIPLE DEPENDENT CLAIM FEE								\$00.00
<b>TOTAL FILING FEE</b>								<b>\$1000.00</b>

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

**MERCHANT & GOULD P.C.**  
P.O. Box 2903, Minneapolis, MN 55402-0903  
(612) 332-5300

By:   
Name: Douglas P. Mueller  
Reg. No.: 30,300  
Initials: DPM/jh

**23552**

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: NEGAMI et al.  
Docket No.: 10873.1563USWO

Filed: December 13, 2004

Title: SOLAR CELL AND METHOD FOR MANUFACTURING THE SAME

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 495867766 US  
Date of Deposit: December 13, 2004

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, Mail Stop PCT, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 

Name: John Sunter

COMMUNICATION

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The address for inventor Takuya SATOH has changed since the filing of the international application. Please record his new address with the filing of this application.

His new address is:

29-10, Kinmeidainishi, Yawata-shi, Kyoto 614-8297, Japan

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
(612) 332-5300

Dated: December 13, 2004

By: 

Douglas P. Mueller  
Reg. No. 30,300

DPM/jh

**23552**

PATENT TRADEMARK OFFICE

10/517945  
DT05 Rec'd PCT/PTO 13 DEC 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: NEGAMI et al.

Filed: December 13, 2004

Docket No.: 10873.1563USWO

Title: SOLAR CELL AND METHOD FOR MANUFACTURING THE SAME

CERTIFICATE UNDER 37 CFR 1.10:

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By: 

Name: Douglas P. Mueller

COMMUNICATION UNDER 37 C.F.R. §1.32(c)(3)

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.32 (c)(3) please appoint the following 10 practitioners named in the Power of Attorney to be recognized by the U.S. Patent Office as being of record in the above-identified application:

Brian H. Batzli (32,960)  
John A. Clifford (30,247)  
John J. Gresens (33,112)  
Curtis B. Hamre (29,165)  
Robert A. Kalinsky (50,471)

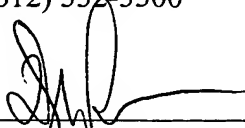
James A. Larson (40,443)  
Douglas P. Mueller (30,300)  
Joshua N. Randall (50,719)  
Michael D. Schumann (30,422)  
Gregory A. Sebald (33,280)

The undersigned was named on the Power of Attorney.

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
(612) 332-5300

Dated: December 13, 2004

By   
Douglas P. Mueller  
Reg. No. 30,300

DPM/jh

**23552**

PATENT TRADEMARK OFFICE